

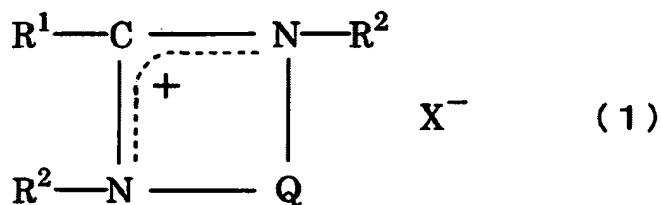
Listing of Claims

The following listing of claims replaces all prior versions and listings of claims in the application.

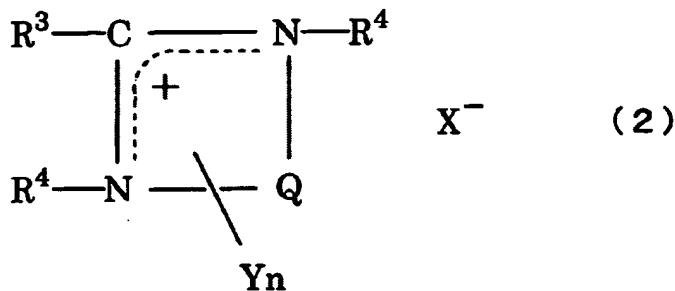
Claims 1-8 (Canceled).

9. (New): An electrolyte for an electrochemical capacitor comprising a cyclic amidinium salt (B) represented by the general formula (1),

wherein the total amount of a cyclic amidinium salt derivative (A) represented by the general formula (2) is not larger than 10 mole% relative to the sum of (A) and (B):



[In the formula, R¹ represents a hydrogen atom or a hydrocarbon group containing 1 to 20 carbon atoms, which may optionally have a hydroxyl group(s), R² represents a hydrocarbon group containing 1 to 10 carbon atoms, which may optionally have a hydroxyl group, amino group, nitro group, cyano group, formyl group and/or ether bond-containing group(s), and the two R² groups may be the same or different, Q represents an alkylene, arylene or alkenylene group containing 2 to 10 carbon atoms, which may optionally have a hydrocarbon group containing 1 to 5 carbon atoms, an amino, nitro, cyano or formyl group(s), and X⁻ represents a counter anion; the part or whole of the R¹ and R² moieties may be bound together to form a ring.];



[In the formula, R³ represents a hydrogen atom or a hydrocarbon group containing 1 to 20 carbon atoms, which may be substituted with a hydroxyl group(s), R⁴ represents a hydrocarbon group containing 1 to 10 carbon atoms, which may have a hydroxyl, amino, nitro, cyano, formyl and/or ether bond-containing group(s), and the two R⁴ groups may be the same or different; Q represents an alkylene, arylene or alkenylene group containing 2 to 10 carbon atoms, which may optionally have a hydrocarbon group containing 1 to 5 carbon atoms, an amino, nitro, cyano or formyl group(s), and there are cases where there is X⁻ or there is no X⁻ and, when there is X⁻, it represents a counter anion, and each Y represents a carboxyl group or an -OCO₂H and, when there is no X⁻, each Y represents a carboxyl group, a carboxyl anion group, an -OCO₂H or -OCO₂⁻ group and one Y represents a carboxyl anion or an -OCO₂⁻ group; n represents an integer of 1 to 20; the part or whole of the R³ and R⁴ moieties may be bound together to form a ring.].

10. (New): The electrolyte for an electrochemical capacitor according to Claim 9, which is producible by dissolving said cyclic amidinium salt (B) in a solvent.

11. (New): The electrolyte for an electrochemical capacitor according to Claim 9, wherein Q is a -CH=CH- group.

12. (New): The electrolyte for an electrochemical capacitor according to Claim 10, wherein Q is a -CH=CH- group.

13. (New): The electrolyte for an electrochemical capacitor according to Claim 9, wherein the anion X⁻ in (A) or (B) is an ion selected from the group consisting of PF₆⁻, BF₄⁻, AsF₆⁻, SbF₆⁻, N(RfSO₂)₂⁻, C(RfSO₂)₃⁻ and RfSO₃⁻ (Rf representing a fluoroalkyl group containing 1 to 12 carbon atoms).

14. (New): The electrolyte for an electrochemical capacitor according to Claim 10, wherein the anion X⁻ in (A) or (B) is an ion selected from the group consisting of PF₆⁻, BF₄⁻, AsF₆⁻, SbF₆⁻, N(RfSO₂)₂⁻, C(RfSO₂)₃⁻ and RfSO₃⁻ (Rf representing a fluoroalkyl group containing 1 to 12 carbon atoms).

15. (New): The electrolyte for an electrochemical capacitor according to Claim 11, wherein the anion X⁻ in (A) or (B) is an ion selected from the group consisting of PF₆⁻, BF₄⁻, AsF₆⁻, SbF₆⁻, N(RfSO₂)₂⁻, C(RfSO₂)₃⁻ and RfSO₃⁻ (Rf representing a fluoroalkyl group containing 1 to 12 carbon atoms).

16. (New): The electrolyte for an electrochemical capacitor according to Claim 12, wherein the anion X⁻ in (A) or (B) is an ion selected from the group consisting of PF₆⁻, BF₄⁻, AsF₆⁻, SbF₆⁻, N(RfSO₂)₂⁻, C(RfSO₂)₃⁻ and RfSO₃⁻ (Rf representing a fluoroalkyl group containing 1 to 12 carbon atoms).

17. (New): The electrolyte for an electrochemical capacitor according to Claim 9, wherein the solvent comprises, as the main component, at least one species selected from the group consisting of propylene carbonate, ethylene carbonate, butylene carbonate, sulfolane, 3-methylsulfolane, acetonitrile, dimethyl carbonate, ethyl methyl carbonate and diethyl carbonate.

18. (New): The electrolyte for an electrochemical capacitor according to Claim 10, wherein the solvent comprises, as the main component, at least one species selected from the group consisting of propylene carbonate, ethylene carbonate, butylene carbonate, sulfolane, 3-methylsulfolane, acetonitrile, dimethyl carbonate, ethyl methyl carbonate and diethyl carbonate.

19. (New): The electrolyte for an electrochemical capacitor according to Claim 11, wherein the solvent comprises, as the main component, at least one species selected from the group consisting of propylene carbonate, ethylene carbonate, butylene carbonate, sulfolane, 3-methylsulfolane, acetonitrile, dimethyl carbonate, ethyl methyl carbonate and diethyl carbonate.

20. (New): The electrolyte for an electrochemical capacitor according to Claim 12, wherein the solvent comprises, as the main component, at least one species selected from the group consisting of propylene carbonate, ethylene carbonate, butylene carbonate, sulfolane, 3-methylsulfolane, acetonitrile, dimethyl carbonate, ethyl methyl carbonate and diethyl carbonate.

21. (New): The electrolyte for an electrochemical capacitor according to Claim 13, wherein the solvent comprises, as the main component, at least one species selected from the group consisting of propylene carbonate, ethylene carbonate, butylene carbonate, sulfolane, 3-methylsulfolane, acetonitrile, dimethyl carbonate, ethyl methyl carbonate and diethyl carbonate.

22. (New): The electrolyte for an electrochemical capacitor according to Claim 14, wherein the solvent comprises, as the main component, at least one species selected from the group consisting of propylene carbonate, ethylene carbonate, butylene carbonate, sulfolane, 3-methylsulfolane, acetonitrile, dimethyl carbonate, ethyl methyl carbonate and diethyl carbonate.

23. (New): The electrolyte for an electrochemical capacitor according to Claim 15, wherein the solvent comprises, as the main component, at least one species selected from the group consisting of propylene carbonate, ethylene carbonate, butylene carbonate, sulfolane, 3-methylsulfolane, acetonitrile, dimethyl carbonate, ethyl methyl carbonate and diethyl carbonate.

24. (New): The electrolyte for an electrochemical capacitor according to Claim 16, wherein the solvent comprises, as the main component, at least one species selected from the group consisting of propylene carbonate, ethylene carbonate, butylene carbonate, sulfolane, 3-methylsulfolane, acetonitrile, dimethyl carbonate, ethyl methyl carbonate and diethyl carbonate.

25. (New): An electrochemical capacitor having a polarizable electrode impregnated with an electrolyte

which contains the electrolyte for an electrochemical capacitor according to Claim 9 as the electrolyte, and

in which at least one of the positive and negative electrodes is a polarizable electrode comprising a carbonaceous material as the main component.

26. (New): The electrochemical capacitor according to Claim 25, wherein the carbonaceous material is activated carbon.

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27. (New): An electric double layer capacitor having a polarizable electrode impregnated with an electrolyte

which is producible by using the electrolyte for an electrochemical capacitor according to Claim 9 as the electrolyte.